

FIGURE 1A

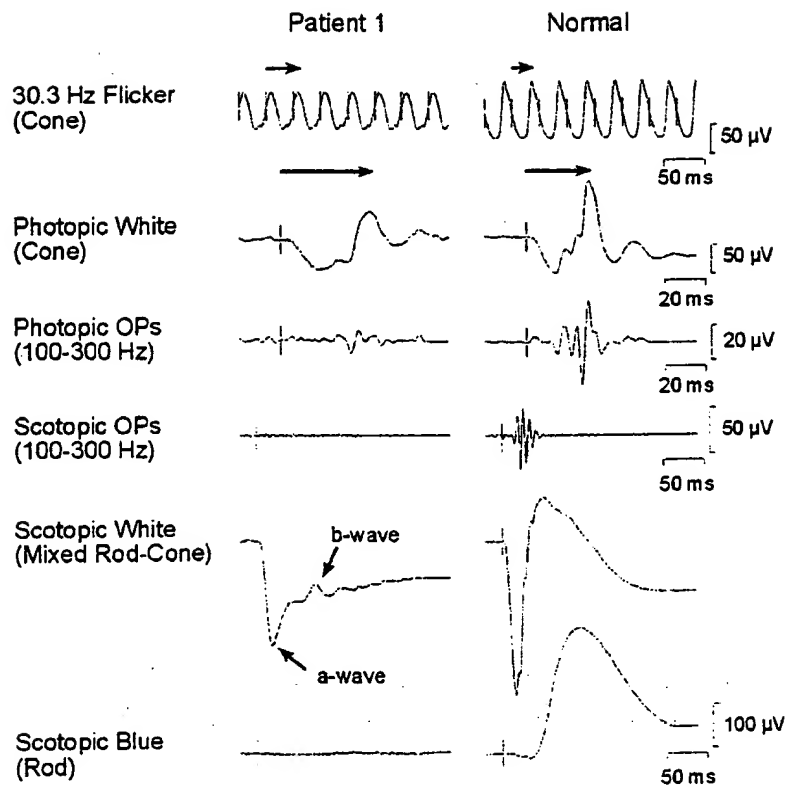


FIGURE 1B

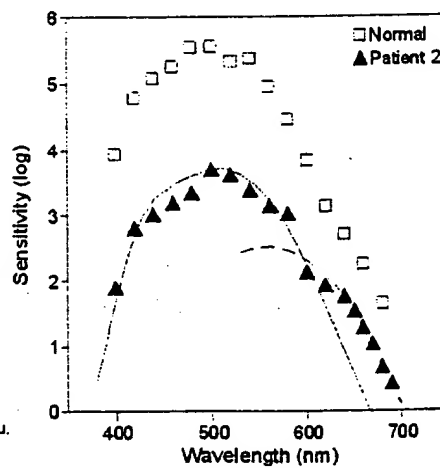
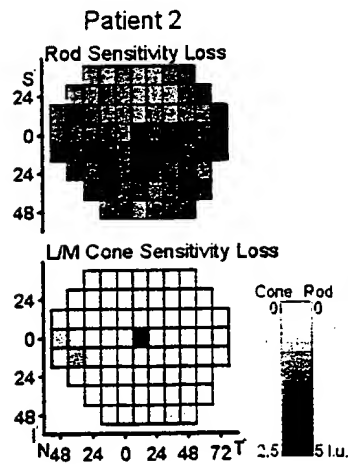
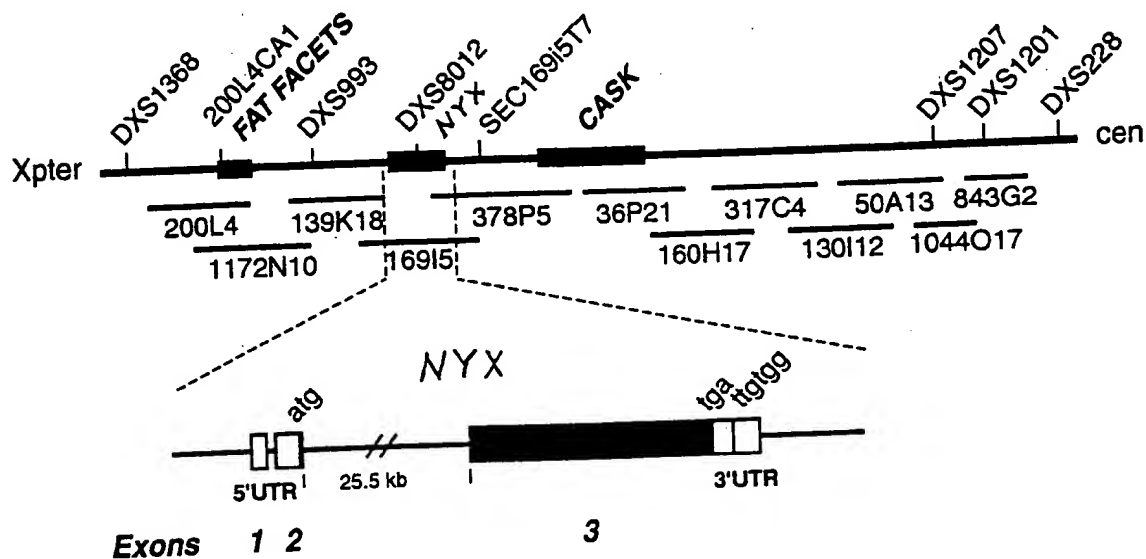


FIGURE 1C

FIGURE 3A

Physical map of the CSNB1 minimal region and genomic organization of *NYX*



Leucine-rich repeats and the distribution of mutations in the Nyctalopin protein

	MKGRGMLVLLHNAVVLGLPSAWAVGA	ARA	PAA	A	STVERG	SVR	DR	- 50
		del						
1.	AGLLRVP	AE	LP	CE	AV	SID	LD	RNGL - 74
2.	RFLGERA	FG	TL	PS	LR	RL	SL	RHNNL - 98
3.	SFITPGA	FK	GL	PR	LA	EL	RL	AHNGDL - 123
4.	RYLHART	FA	AL	SR	LR	RL	DL	AACRL - 147
5.	F	SV	PER	LL	AE	LP	AL	FAFDNLFRVPGALRGL - 181
6.	ANLTHAHL	15	LR	RL	SL	SL	IQ	ANRV - 218
	ERGRIE	AV	SS	SL	QG			
7.	RAVHAGA	FG	DC	GV	LE	HL	LL	NDNLL - 242
8.	AELPADA	FR	GL	RR	LT	LN	LG	GNAL - 266
9.	DRVARAW	FAD	LA	EL	EL	LY	LD	RNSI - 290
10.	AFVEEGA	FQ	NL	SG	LL	AL	HL	NGNRL - 314
11.	TVLAWVA	FQ	PG	FF	LG	RL	FL	FRNPW - 338
		β-sheet				α-helix		
	ED	RL	EW	LR	DM	EG	SG	RVTDVP - 388
	AS	PG	SV	AG	LD	LS	QV	TFGRSSDGL - 438
	PEEL	NL	TT	SS	PG	PS	PE	PAATT - 481
	VS	RF	SS	LL	SK	LL	AP	RV
	PVEE	AA	NT	TT	GG	LA		
	NAS	LS	DS	LS	SR	GV	GG	AGRQ - 481
	PW	FL	LA	SC	LL	PS	VA	QHVV - 481
	FG	LQ	MD					

▲ insertions of SVPERLL, GLR and RLR, respectively
 ▼ most likely signal peptide cleavage site

FIGURE 3B

FIGURE 3C

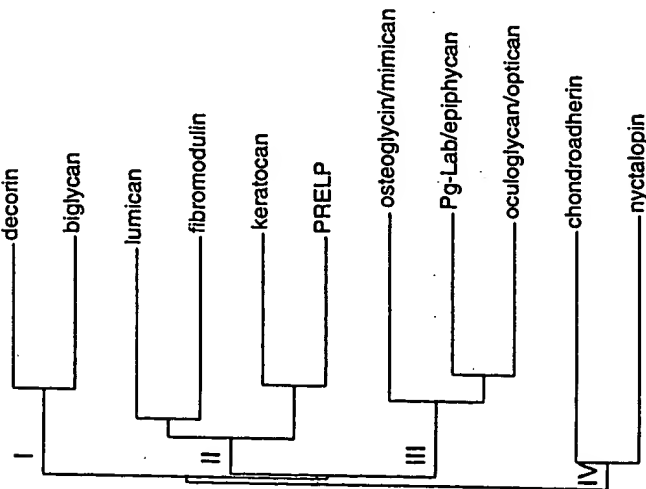


FIGURE 3D

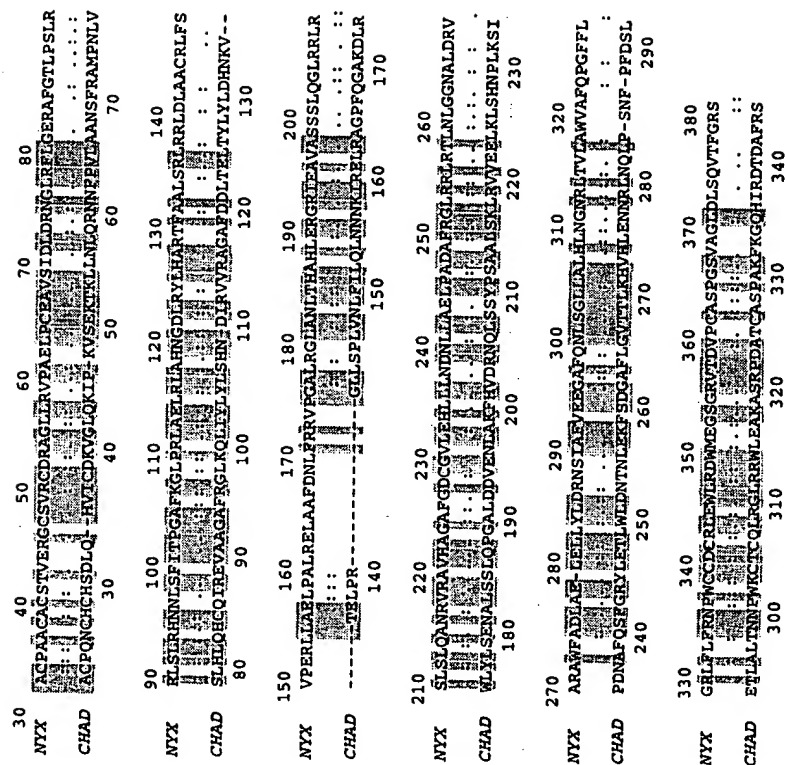


FIGURE 4A

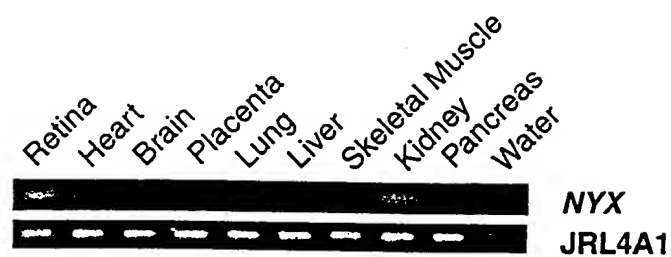
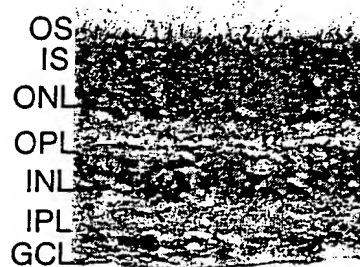
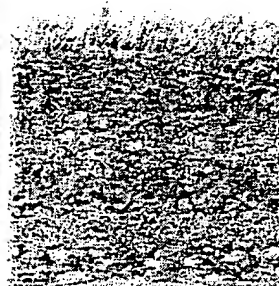


FIGURE 4B



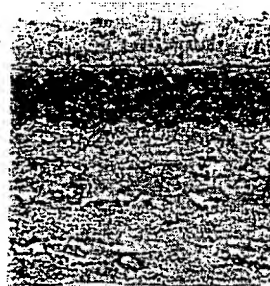
NYX-AS

FIGURE 4C



NYX-S

FIGURE 4D



RHO-AS

FIGURE 5A

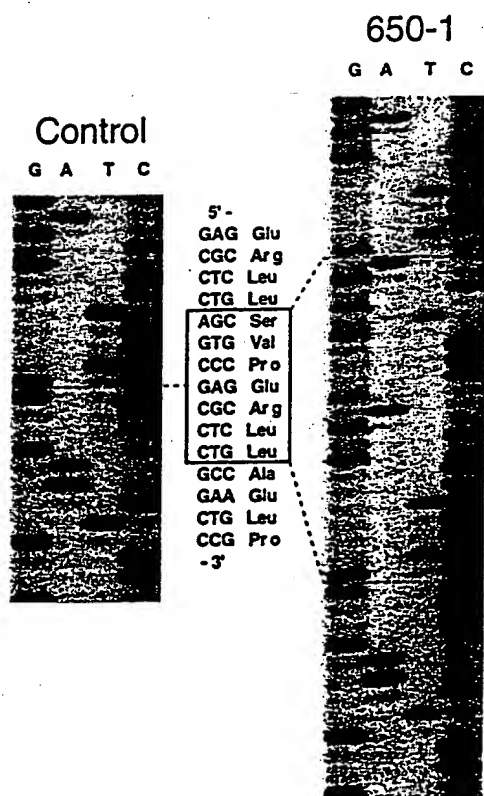
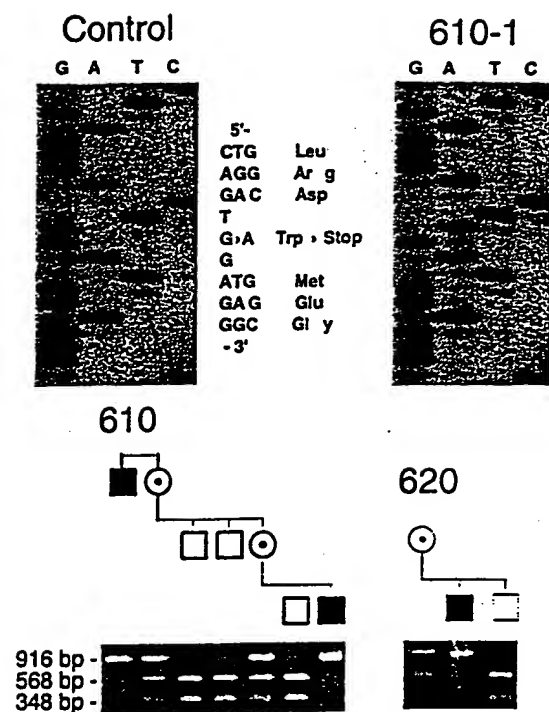


FIGURE 5B

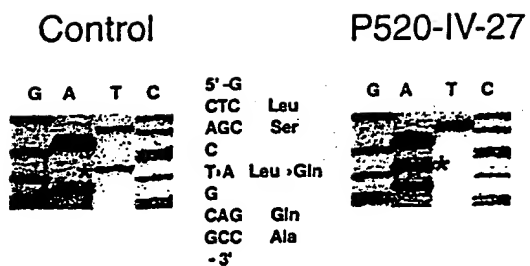
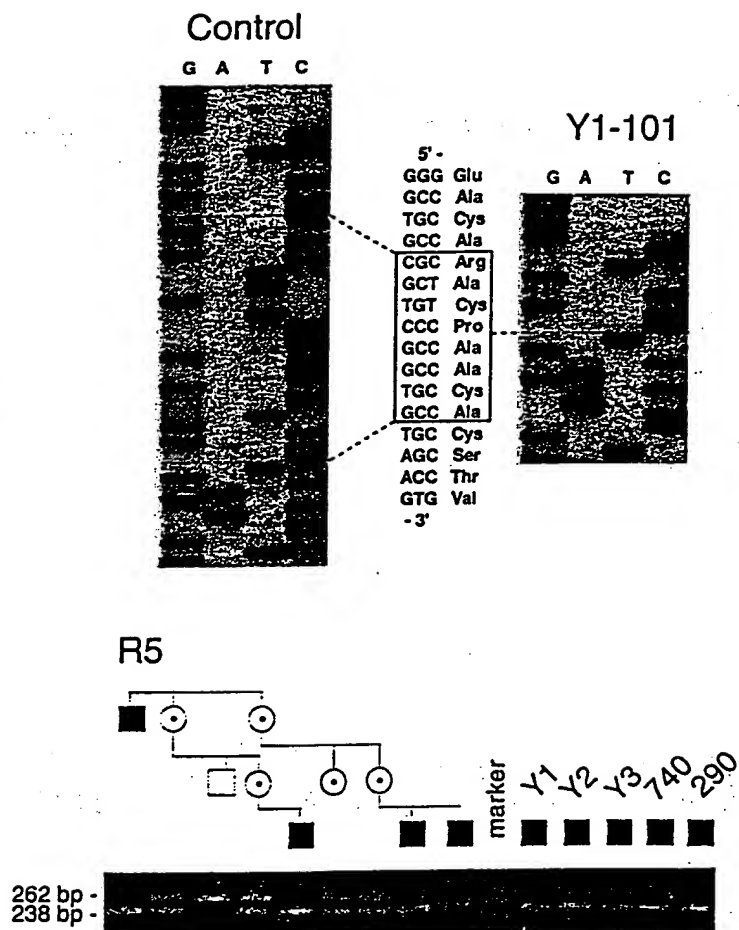


FIGURE 5D

FIGURE 5C